



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/993,234A  
Source: IFW16  
Date Processed by STIC: 4/13/04

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221**

**Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/993,234A

DATE: 04/13/2004

TIME: 14:32:52

Input Set : A:\P1007P1D1.txt

Output Set: N:\CRF4\04132004\I993234A.raw

*delete - already shown*

## SEQUENCE LISTING

W--> 7 ~~SEQUENCE LISTING~~

## 9 (1) GENERAL INFORMATION:

- 11 (i) APPLICANT: Ashkenazi, Avi J.
- 13 (ii) TITLE OF INVENTION: Apo-2 LI AND Apo-3 POLYPEPTIDES
- 15 (iii) NUMBER OF SEQUENCES: 28
- 17 (iv) CORRESPONDENCE ADDRESS:
- 18 (A) ADDRESSEE: Genentech, Inc.
- 19 (B) STREET: 1 DNA Way
- 20 (C) CITY: South San Francisco
- 21 (D) STATE: California
- 22 (E) COUNTRY: USA
- 23 (F) ZIP: 94080

## 25 (v) COMPUTER READABLE FORM:

- 26 (A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
- 27 (B) COMPUTER: IBM PC compatible
- 28 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
- 29 (D) SOFTWARE: WinPatin (Genentech)

## 31 (vi) CURRENT APPLICATION DATA:

- 32 (A) APPLICATION NUMBER: US/09/993,234A
- 33 (B) FILING DATE: 19-Nov-2001
- 34 (C) CLASSIFICATION:

## 44 (vii) PRIOR APPLICATION DATA:

- 37 (A) APPLICATION NUMBER: 08/828683
- 38 (B) FILING DATE: 31-MAR-1997
- 41 (A) APPLICATION NUMBER: 08/625328
- 42 (B) FILING DATE: 1-Apr-1996
- 45 (A) APPLICATION NUMBER: 08/710802
- 46 (B) FILING DATE: 23-Sep-1996

## 48 (viii) ATTORNEY/AGENT INFORMATION:

- 49 (A) NAME: Marschang, Diane L.
- 50 (B) REGISTRATION NUMBER: 35,600
- 51 (C) REFERENCE/DOCKET NUMBER: P1007P1D1

## 53 (ix) TELECOMMUNICATION INFORMATION:

- 54 (A) TELEPHONE: 650/225-5416
- 55 (B) TELEFAX: 650/952-9881

*pg 2-4*

## ERRORED SEQUENCES

887 (2) INFORMATION FOR SEQ ID NO: 21:

889 (i) SEQUENCE CHARACTERISTICS:

890 (A) LENGTH: 197 amino acids

*P. 2*

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E--&gt; 891

(B) TYPE: <sup>use</sup>~~PRT~~ amino acid ← do not use "PRT" unless sequence listing is in "new" sequence rules format.

(D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:

896	Met	Gly	Leu	Ser	Thr	Val	Pro	Asp	Leu	Leu	Leu	Pro	Leu	Val	Leu
897	1				5				10						15
899	Leu	Glu	Leu	Leu	Val	Gly	Ile	Tyr	Pro	Ser	Gly	Val	Ile	Gly	Leu
900					20				25						30
902	Val	Pro	His	Leu	Gly	Asp	Arg	Glu	Lys	Arg	Asp	Ser	Val	Cys	Pro
903					35				40						45
905	Gln	Gly	Lys	Tyr	Ile	His	Pro	Gln	Asn	Asn	Ser	Ile	Cys	Cys	Thr
906					50				55						60
908	Lys	Cys	His	Lys	Gly	Thr	Tyr	Leu	Tyr	Asn	Asp	Cys	Pro	Gly	Pro
909					65				70						75
911	Gly	Gln	Asp	Thr	Asp	Cys	Arg	Glu	Cys	Glu	Ser	Gly	Ser	Phe	Thr
912					80				85						90
914	Ala	Ser	Glu	Asn	His	Leu	Arg	His	Cys	Leu	Ser	Cys	Ser	Lys	Cys
915					95				100						105
917	Arg	Lys	Glu	Met	Gly	Gln	Val	Glu	Ile	Ser	Ser	Cys	Thr	Val	Asp
918					110				115						120
920	Arg	Asp	Thr	Val	Cys	Gly	Cys	Arg	Lys	Asn	Gln	Tyr	Arg	His	Tyr
921					125				130						135
923	Trp	Ser	Glu	Asn	Leu	Phe	Gln	Cys	Phe	Asn	Cys	Ser	Leu	Cys	Leu
924					140				145						150
926	Asn	Gly	Thr	Val	His	Leu	Ser	Cys	Gln	Glu	Lys	Gln	Asn	Thr	Val
927					155				160						165
929	Cys	Thr	Cys	His	Ala	Gly	Phe	Phe	Leu	Arg	Glu	Asn	Glu	Cys	Val
930					170				175						180
932	Ser	Cys	Ser	Asn	Cys	Lys	Lys	Ser	Leu	Glu	Cys	Thr	Lys	Leu	Cys
933					185				190						195

935 Leu Pro

938 (2) INFORMATION FOR SEQ ID NO: 22:

940 (i) SEQUENCE CHARACTERISTICS:

941 (A) LENGTH: 167 amino acids

E--&gt; 942

(B) TYPE: ~~PRT~~ same error

(D) TOPOLOGY: Linear

945 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:

947	Met	Leu	Gly	Ile	Trp	Thr	Leu	Leu	Pro	Leu	Val	Leu	Thr	Ser	Val
948	1				5				10						15
950	Ala	Arg	Leu	Ser	Ser	Lys	Ser	Val	Asn	Ala	Gln	Val	Thr	Asp	Ile
951					20				25						30
953	Asn	Ser	Lys	Gly	Leu	Glu	Leu	Arg	Lys	Thr	Val	Thr	Thr	Val	Glu
954					35				40						45
956	Thr	Gln	Asn	Leu	Glu	Gly	Leu	His	His	Asp	Gly	Gln	Phe	Cys	His
957					50				55						60
959	Lys	Pro	Cys	Pro	Pro	Gly	Glu	Arg	Lys	Ala	Arg	Asp	Cys	Thr	Val
960					65				70						75
962	Asn	Gly	Asp	Glu	Pro	Asp	Cys	Val	Pro	Cys	Gln	Glu	Gly	Lys	Glu
963					80				85						90
965	Tyr	Thr	Asp	Lys	Ala	His	Phe	Ser	Ser	Lys	Cys	Arg	Arg	Cys	Arg

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```

966          95          100          105
968 Leu Cys Asp Glu Gly His Gly Leu Glu Val Glu Ile Asn Cys Thr
969          110          115          120
971 Arg Thr Gln Asn Thr Lys Cys Arg Cys Lys Pro Asn Phe Phe Cys
972          125          130          135
974 Asn Ser Thr Val Cys Glu His Cys Asp Pro Cys Thr Lys Cys Glu
975          140          145          150
977 His Gly Ile Ile Lys Glu Cys Thr Leu Thr Ser Asn Thr Lys Cys
978          155          160          165
980 Lys Glu

```

983 (2) INFORMATION FOR SEQ ID NO: 23:

985 (i) SEQUENCE CHARACTERISTICS:

986 (A) LENGTH: 78 amino acids

E--&gt; 987 (B) TYPE: PRT

988 (D) TOPOLOGY: Linear

990 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:

```

992 Val Val Glu Asn Val Pro Pro Leu Arg Trp Lys Glu Phe Val Arg
993 1          5          10          15
995 Arg Leu Gly Leu Ser Asp His Glu Ile Asp Arg Leu Glu Leu Gln
996          20          25          30
998 Asn Gly Arg Cys Leu Arg Glu Ala Gln Tyr Ser Met Leu Ala Thr
999          35          40          45
1001 Trp Arg Arg Arg Thr Pro Arg Arg Glu Ala Thr Leu Glu Leu Leu
1002          50          55          60
1004 Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly Cys Leu Glu Asp
1005          65          70          75
1007 Ile Glu Glu

```

1010 (2) INFORMATION FOR SEQ ID NO: 24:

1012 (i) SEQUENCE CHARACTERISTICS:

1013 (A) LENGTH: 77 amino acids

E--&gt; 1014 (B) TYPE: PRT

1015 (D) TOPOLOGY: Linear

1017 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:

```

1019 Ile Ala Gly Val Met Thr Leu Ser Gln Val Lys Gly Phe Val Arg
1020 1          5          10          15
1022 Lys Asn Gly Val Asn Glu Ala Lys Ile Asp Glu Ile Lys Asn Asp
1023          20          25          30
1025 Asn Val Gln Asp Thr Ala Glu Gln Lys Val Gln Leu Leu Arg Asn
1026          35          40          45
1028 Trp His Gln Leu His Gly Lys Lys Glu Ala Tyr Asp Thr Leu Ile
1029          50          55          60
1031 Lys Asp Leu Lys Lys Ala Asn Leu Cys Thr Leu Ala Glu Lys Ile
1032          65          70          75
1034 Gln Thr

```

1037 (2) INFORMATION FOR SEQ ID NO: 25:

1039 (i) SEQUENCE CHARACTERISTICS:

1040 (A) LENGTH: 74 amino acids

E--&gt; 1041 (B) TYPE: PRT

1042 (D) TOPOLOGY: Linear

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Input Set : A:\P1007P1D1.txt

Output Set: N:\CRF4\04132004\I993234A.raw

1044 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:  
 1046 Ile Cys Asp Asn Val Gly Lys Asp Trp Arg Arg Leu Ala Arg Gln  
 1047 1 5 10 15  
 1049 Leu Lys Val Ser Asp Thr Lys Ile Asp Ser Ile Glu Asp Arg Tyr  
 1050 20 25 30  
 1052 Pro Arg Asn Leu Thr Glu Arg Val Arg Glu Ser Leu Arg Ile Trp  
 1053 35 40 45  
 1055 Lys Asn Thr Glu Lys Glu Asn Ala Thr Val Ala His Leu Val Gly  
 1056 50 55 60  
 1058 Ala Leu Arg Ser Cys Gln Met Asn Leu Val Ala Asp Leu Val  
 1059 65 70

1061 (2) INFORMATION FOR SEQ ID NO: 26:

1063 (i) SEQUENCE CHARACTERISTICS:

1064 (A) LENGTH: 77 amino acids

E--&gt; 1065 (B) TYPE: PRT

1066 (D) TOPOLOGY: Linear

1068 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 26:

1070 Asn Arg Pro Leu Ser Leu Lys Asp Gln Gln Thr Phe Ala Arg Ser  
 1071 1 5 10 15  
 1073 Val Gly Leu Lys Trp Arg Lys Val Gly Arg Ser Leu Gln Arg Gly  
 1074 20 25 30  
 1076 Cys Arg Ala Leu Arg Asp Pro Ala Leu Asp Ser Leu Ala Tyr Glu  
 1077 35 40 45  
 1079 Tyr Glu Arg Glu Gly Leu Tyr Glu Gln Ala Phe Gln Leu Leu Arg  
 1080 50 55 60  
 1082 Arg Phe Val Gln Ala Glu Gly Arg Arg Ala Thr Leu Gln Arg Leu  
 1083 65 70 75  
 1085 Val Glu

1088 (2) INFORMATION FOR SEQ ID NO: 27:

1090 (i) SEQUENCE CHARACTERISTICS:

1091 (A) LENGTH: 77 amino acids

E--&gt; 1092 (B) TYPE: PRT

1093 (D) TOPOLOGY: Linear

1095 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 27:

1097 Ile Arg Glu Asn Leu Gly Lys His Trp Lys Asn Cys Ala Arg Lys  
 1098 1 5 10 15  
 1100 Leu Gly Phe Thr Gln Ser Gln Ile Asp Glu Ile Asp His Asp Tyr  
 1101 20 25 30  
 1103 Glu Arg Asp Gly Leu Lys Glu Lys Val Tyr Gln Met Leu Gln Lys  
 1104 35 40 45  
 1106 Trp Val Met Arg Glu Gly Ile Lys Gly Ala Thr Val Gly Lys Leu  
 1107 50 55 60  
 1109 Ala Gln Ala Leu His Gln Cys Ser Arg Ile Asp Leu Leu Ser Ser  
 1110 65 70 75  
 1112 Leu Thr

1115 (2) INFORMATION FOR SEQ ID NO: 28:

1117 (i) SEQUENCE CHARACTERISTICS:

1118 (A) LENGTH: 63 amino acids

E--&gt; 1119 (B) TYPE: PRT

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Input Set : A:\P1007P1D1.txt

Output Set: N:\CRF4\04132004\I993234A.raw

1120 (D) TOPOLOGY: Linear  
1122 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 28:  
1124 Met Ala Val Ala Phe Tyr Ile Pro Asp Gln Ala Thr Leu Leu Arg  
1125 1 5 10 15  
1127 Glu Ala Glu Gln Lys Glu Gln Gln Ile Leu Arg Leu Arg Glu Ser  
1128 20 25 30  
1130 Gln Trp Arg Phe Leu Ala Thr Val Val Leu Glu Thr Leu Lys Gln  
1131 35 40 45  
1133 Tyr Thr Ser Cys His Pro Lys Thr Gly Arg Lys Ser Gly Lys Tyr  
1134 50 55 60  
1136 Arg Lys Pro

## VERIFICATION SUMMARY

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DATE: 04/13/2004

TIME: 14:32:53

Input Set : A:\P1007P1D1.txt

Output Set: N:\CRF4\04132004\I993234A.raw

L:7 M:244 W: Invalid beginning of sequence listing, Data=[SEQUENCE LISTING], Duplicate Sequence Listing Title!

L:32 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:33 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:890 M:241 E: Invalid Alpha Header Field, [TYPE:], SeqNo=21

L:941 M:241 E: Invalid Alpha Header Field, [TYPE:], SeqNo=22

L:986 M:241 E: Invalid Alpha Header Field, [TYPE:], SeqNo=23

L:1013 M:241 E: Invalid Alpha Header Field, [TYPE:], SeqNo=24

L:1040 M:241 E: Invalid Alpha Header Field, [TYPE:], SeqNo=25

L:1064 M:241 E: Invalid Alpha Header Field, [TYPE:], SeqNo=26

L:1091 M:241 E: Invalid Alpha Header Field, [TYPE:], SeqNo=27

L:1118 M:241 E: Invalid Alpha Header Field, [TYPE:], SeqNo=28